

## Analytical Data Sheet

Lot number	1000042360 not for drug use
Catalog number	B-4175.5000
Product	Fmoc-(Dmb)Ala-OH
Product number	4072316.5000
Molecular formula (net)	C <sub>27</sub> H <sub>27</sub> NO <sub>6</sub>
Molecular mass (average)	461.5

Tests	Results
Components	
<b>Appearance</b>	
Appearance	complies [white to beige powder]
<b>Appearance of solution</b>	
Appearance of solution	complies [clear, colorless to yellowish solution in acetone (50 mg/mL)]
Appearance of solution	complies [essentially clear solution in DMF (0.5 mmol/mL)]
<b>Identification (ESI-MS)</b>	
Average mass	461.5 u
<b>Identification (TLC)</b>	
R <sub>f</sub> value	complies [complies]
<b>Purity and related impurities (HPLC)</b>	
Purity	99.8%
Fmoc-Ala-OH	0.01%
Fmoc-β-Ala-OH	not detected
<b>Purity and related impurities (TLC)</b>	
Purity	> 99%
H-(Dmb)Ala-OH	< 0.1%
<b>CAT Enantiomer content (GC)</b>	
D-enantiomer	0.10%
<b>Assay (titration)</b>	
Assay (titration, net)	96.3%

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Tests	Results
Components	
<b>Water content (Karl Fischer volumetric)</b>	
Water content	0.40%
<b>Acetic acid content (IC)</b>	
Acetic acid content	30 mg/kg

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**CAT** Analysis performed by C.A.T. GmbH & Co Chromatographie und Analystechnik KG, Heerweg 10, 72070 Tübingen, Germany

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This Analytical Data Sheet is based on reviewed analytical data and is valid without handwritten signatures.

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Date created: December 16, 2020